

OPINION

on Shaheser Gunesh's doctor's thesis on the theme:

“INFLUENCE OF THE ADAPTED PHYSICAL ACTIVITY MEANS ON THE PHYSICAL ABILITIES OF CHILDREN WITH SPECIAL NEEDS”

for conferring the “PhD” educational and scientific degree as of “Theory and methodology of sport science” PhD programme in professional direction 7.6. “Sport”

PhD student's data

Shaheser Gunesh is born in 1968 in Turkey, have graduated from “Dokuz Eylul” Physical Education and Sport University in Izmir. Graduates from her “Adapted physical activity and sport” Master's programme at “Vasil Levski” National Academy of Sport in 2014. Since 1998 till now, she is a lecturer at “Adnan Menderes” Physical education and sport University in Aydan. Possesses the needed computer knowledge, speaks and writes in English.

Doctoral study data

Shaheser Gunesh was a regular PhD student at the “Basketball, volleyball, handball” department to “Vasil Levski” National Academy of Sport. Discharged with the right of defense by order 3П809/May 17, 2019. There are no procedural infringements or omissions in relation to the doctoral study.

Data about the doctor's thesis, abstract and publications

Today, the issue about the influence of the adapted physical activity means on the physical ability of children with special needs is current and topical for a dissertation. The choice of the theme is interesting, having potential for large application in the sport-pedagogical practice when working with children of special needs. Similar theme allows the PhD student to discuss, study and analyze the physical ability and body composition of people with special needs following the application of training methodologies.

The doctor's thesis covers 161 pages and is structured according to the requirements for such scientific development. Consists of introduction, set up of the problem, purpose,

tasks, methodology and organization of the study, analysis of the results, conclusions and recommendations, literature and annexes. Bibliography covers 132 sources, 92 in Bulgarian, 38 in Latin alphabet and one internet site. The doctor's thesis is written in good language and style, illustrated by 9 tables and 70 figures, demonstrating the author's skill to work by modern technical means.

The introduction is of five pages, where the author skillfully discusses the terms: **“injured person”** and **“person on unequal footing”**.

In chapter one “Set up of the problem” the author examines in details the available literature sources related to the theme; clearly and exhaustively are presented the characteristics of the intellectual injuries, numbered are the leading criteria for classifying the persons of intellectual difficulties, professionally is treated the influence of the physical activities and adapted sports on the development of children with mental injuries. Discussed are educational programmes and adapted methodologies for working with children of mental deficit.

The working hypothesis of the study is extracted on the base of specific literature studies on the problem under research.

Chapter two is of classical structure for such developments. The purpose is clearly defined; five tasks are taken to the front directing the research work to a field, answering correctly to the theme of the doctor's thesis. The duration of the study is clearly and precisely described; two groups are organized (experimental and control one) with equal number of participants – 19. The methods used are well selected, which is a prerequisite for detailed examination and study of the set up scientific problem and achievement of the purpose. Test battery of 10 indicators, described in details, is applied for evaluating the physical ability. Experimental methodology (*Adapted programme*) is applied for the needs of the study towards developing the physical abilities and specific skills of children with intellectual difficulties by the help of moving games and adaptive physical activity and sport.

Up-to-date mathematic-statistic instruments are applied, covering: variation analysis, comparative analysis by t-criterion of Student for independent extracts, factor

analysis, index method and method of the sigma deviations.

Chapter three is of the greatest volume of 52 pages. The data of the persons under study, related to the level of their physical development and physical abilities are presented in sequence and professionally. The results of the collected and processed data from both researches taken in real conditions, are logically and successively analyzed. The analysis of the results is made in identic consistency for all parameters under study. Exhaustively is interpreted the statistic information related to the in-group and between-group differences in the variables under study. Factor structure of the physical development and physical ability is taken to the front and 30-examination grades normative base is developed for control and evaluation of the physical development and physical abilities of children with mental injuries from Republic of Turkey. The theoretical conclusions are supported and perfectly illustrated by graphic presentation of the parameters under study.

The conclusions and recommendations at the end of the work are well formulated and objectively issue from the studies made.

The abstract summarizes the contents of the doctor's thesis; it covers all chapters of the thesis and correctly presents the basic research results. Contains conclusions, recommendations and contributions for the sport-pedagogical practice. Presents a list of the scientific publications on the problems of the doctor's thesis.

Three publications are presented which answers the national requirements and three participations in scientific forums in Bulgaria and abroad.

Scientific contributions

The presented doctor's thesis contains the following more important contributions of scientific and practice-applied nature:

- ✓ Specific methodology is developed for improving the physical development and physical abilities of children with mental deficit by the means of adapted physical activities and moving games.
- ✓ Sport-pedagogical experiment is organized and correctly performed proving the effectiveness of the adaptive methodology probated in practice.

- ✓ Factor structure is disclosed and the basic factors of the physical abilities of 14-18 years old children with mental injuries in Republic of Turkey are extracted.
- ✓ Normative base for control and optimization of the physical abilities of children with mental injuries in Republic of Turkey is developed.

Conclusion

On the basis of the said hereinabove and the topicality of the treated problem, I convincingly propose to the esteemed members of the scientific jury to confer Shaheser Gunesh the “PhD” educational and scientific degree as of the “Theory and methodology of sport science” PhD programme in professional direction 7.6. “Sport”

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